



NXBLE-63YH Residual current operated circuit breaker (RCBO)

1. Compliant standards

IEC61009-1

2. Compliant certification

CE

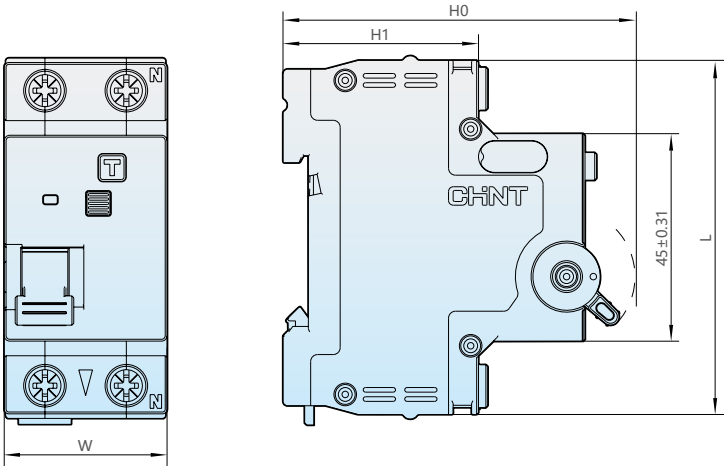
3. Major function

Overload protection, short circuit protection, residual current operation

4. Technical parameters

Rated current: 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A;
Rated residual operating current: 0.01A, 0.03A, 0.1A, 0.3A;
Rated voltage: 1P+N, 2P: AC230V; 3P, 3P+N, 4P: AC400V
Frequency: 50Hz;
Thermal magnetic release: C, D;
Number of poles: 1P+N;2P, 3P, 3P+N,4P
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated short-circuit breaking capacity(Icu): 6000A;
Short-circuit breaking capacity(Ics): 6000A;
Rated impulse withstand voltage(Uimp): 4kV;

5. Dimensions and installation sizes



Poles	Dimension (mm)			
	L	W	H0	H1
1P+N/2P	76.8±0.37	36 ⁰ _{-0.62}	76.5 ⁰ _{-1.2}	42.5±0.31
3P/3P+N	92.5±0.8	72 ⁰ _{-1.4}	78±0.7	49.5±0.31
4P	92.5±0.8	90 ⁰ _{-1.6}	78±0.7	49.5±0.31

6. Detailed technical data

Product model		NXBLE-63YH
Compliant standards		IEC61009-1
Rated current (A)		6~63
Rated residual operating current (A)		0.01, 0.03, 0.1, 0.3
Leakage protection type		AC, A
Rated voltage (V~)		230, 400
Rated frequency (Hz)		50
Number of poles		1P+N, 2P, 3P, 3P+N, 4P
Mechanical life (cycles)		20000
Electrical life (cycles)		10000
Rated short-circuit breaking capacity (A)		6000
Short-circuit breaking capacity (A)		6000
Rated impulse withstand voltage (1.2/50)(kV)		4
Dielectric test voltage (V) (Power frequency 1 minute)		2000
Anti-humid and heat properties (IEC60068-2-30:55°C/90~96%,25°C/95~100%)		28 cycles
Terminals	Minimum cross section (mm ²)	1
	Maximum cross section (mm ²)	25
	Standard connection torque (N·m)	2
	Maximum withstand torque (N·m)	2.5
	Wire insertion depth (mm)	12.5
Reference temperature for setting of thermal element (°C)		30
Ambient storage temperature (°C)		-35~+70
Ambient storage temperature (°C)		-35~+85
Applicable altitude (m)		2000
Thermal magnetic release	Type B (3In~5In)	
	Type C (5In~10In)	■
	Type D (10In~20In)	■
	Type C (6.4In~9.6In)	
	Type D (9.6In~14.4In)	
Derating factor with multiple products side by side (recommended value)	≤3	(0.9~0.95)In
	4 ~ 6	(0.86~0.80)In
	7 ~ 9	(0.78~0.76)In
	>9	0.76In
Temperature compensation coefficient (recommended value)	Change for every 10°C increase from the reference temp	-(0.03~0.050)In
	Change for every 10°C decrease from the reference temp	+(0.04~0.07)In
Cable entry		Top-in, Bottom-out
Mounting		TH35-7.5-rail mounting
Pollution degree		Pollution degree II
Protection degree	Direct mounting	IP20
	Mounted in the distribution box	IP40
Accessories that can be assembled		AX-X1, AL-X1, SHT-X1 OVT-X1, UVT-X1, OUVT-X1